



NIEHS December 2004 Meeting

National Clearinghouse Update

Bruce Lippy, Ph.D, CIH, CSP

**National Clearinghouse for Worker Safety and
Health Training**

1250 Connecticut Avenue

Washington, DC

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www.wetp.org

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Behavioral Objectives

At the end of this session, the student will be able to:

- **say they sat through this presentation**
- **Without overwhelming regrets.**



Special thanks to Maria Polis

**Project Manager for this
conference!**



New Clearinghouse Staff

Paul Bisceglia
Conference Coordinator



Clearinghouse Advisory Board

- Clearinghouse Advisory Board to meet February 15, 2005 at MDB
- Board recommendations from last year:
 - Consider redundancy reduction
 - Consider updating the minimum criteria
 - Produce brochure for entire program



Brochure has been developed

WORKER EDUCATION AND TRAINING PROGRAM

The NIEHS currently funds training and education in the following five areas:

Hazardous Waste Worker Training Program:

Trains hazardous waste workers and emergency responders in every region of the country to save lives, contain hazardous materials incidents, and protect themselves and others from harm when hazardous materials incidents occur.

Brownfields Minority Worker Training Program:

Connects local Brownfield residents with valuable job training. Provides local community-based organizations and developers with a highly trained workforce.

Minority Worker Training Program:

Prepares inner city youth for employment in environmental restoration and hazardous materials.

Nuclear Worker Training Program:

Trains workers engaged in environmental restoration, waste treatment, and emergency response at sites in the Department of Energy's nuclear weapons complex.

Advanced Training Technology Progress:

Improves the health and safety of workers by developing computer-based training products and multimedia tools such as interactive DVD modules, virtual reality simulations and interactive TV and videoconferencing.

CONNECTED, COORDINATED, AND EFFECTIVE

The NIEHS Worker Education and Training Program (WETP) funds an extensive, national network of non-profit organizations, universities, and labor unions that are committed to protecting workers and their communities by delivering high-quality safety and health training to hazardous waste workers and emergency responders. WETP has trained over a million workers to safely and effectively respond to this nation's hazardous materials incidents and hazardous waste operations. In the last two years, WETP has been on the forefront of training specialized worker populations—like freighters, emergency room workers, heavy equipment operators, transportation workers, and construction laborers—to respond to terrorist acts. Today, WETP represents one of the largest pools of workers trained to handle hazardous waste, and a viable mechanism for providing training to workers who respond to terrorist acts.

Congress initiated WETP in 1986 under the Superfund Amendment and Reauthorization Act (SARA). WETP has formed training partnerships in all 50 states through a network of community colleges, government agencies, community-based organizations, academic institutions, labor unions, and labor-management groups. WETP training has been provided through cooperative agreements with the U.S. Environmental Protection Agency (EPA), the U.S. Department of Energy (DOE) and the U.S. Department of Transportation (DOT).

NIEHS WORKER EDUCATION AND TRAINING PROGRAM



PROGRAM SUMMARY

Training for
**Emergency Response to
Hazardous Materials Incidents,
Terrorist Acts, and the
Cleanup of Hazardous
Waste Sites**





Online Trainers' Exchange

National Clearinghouse for Worker Safety & Health Training

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Electrolux HazMat Tech Training 11-15-04

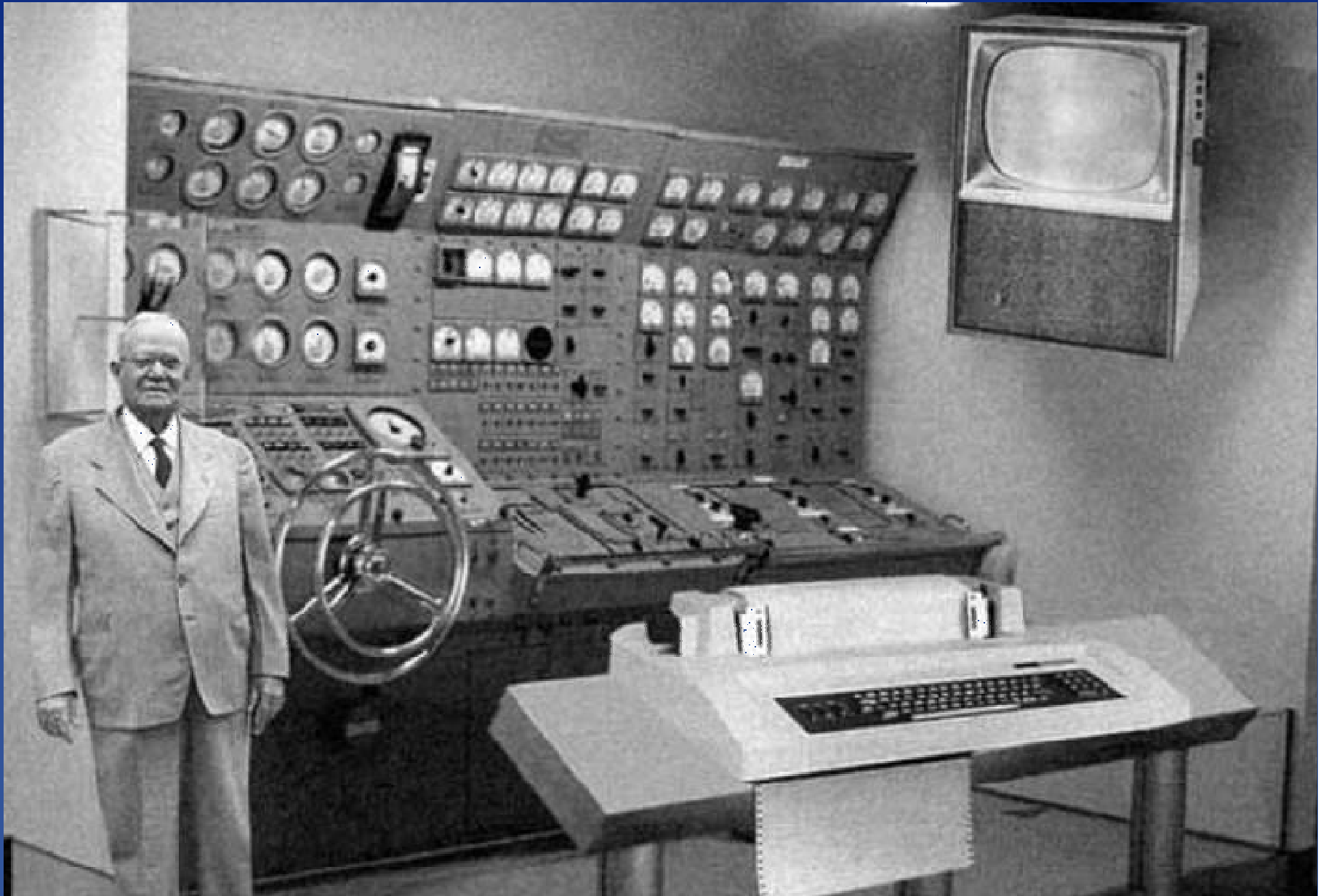
Hazardous Materials Technician Training, Webster City, IA 11-15-2004

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Images are powerful





Oyster shuckers

Breaker boys



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Online Trainers Exchange Discussion Forum

Welcome to the Online Trainers Exchange Discussion Forum. This feature allows you to respond to a question or a concern posted by trainers. Please click on the "post a new message" button to create a comment of your own or click directly on the subject of an existing message to respond to your colleagues' comments.

Current Posts:

- + ***What do you do if it is clear some students aren't getting some of your training?*** by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (3 replies)
What techniques would you like to share on making sure the class is getting your training? by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (No replies)
What demonstrations have gone awry? What lessons are there for other instructors? by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (No replies)
Which demonstrations work well for you? What is the associated concept you are demonstrating? by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (No replies)
- + ***How do you deal with students who want to dominate discussions?*** by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (2 replies)
What small group exercises have worked well for you? by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (No replies)
What ice-breakers have you found to be most effective and why do they work so well? by **Bruce Lippy** ('Bruce') on Monday, 29th November 2004 (No replies)

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**Discussion is needed on good
and bad points of PowerPoint**

It has taken over!



Review of Test Data Indicates Conservatism for Tile Penetration

- The existing SOFI on tile test data used to create Crater was reviewed along with STS-87 Southwest Research data
 - Crater overpredicted penetration of tile coating **significantly**
 - Initial penetration to described by normal velocity
 - Varies with volume/mass of projectile (e.g. 200ft/sec for 3 cu.in)
 - **Significant** energy is required for the softer SOFI particle to penetrate the relatively hard tile coating
 - Test results do show that it is possible at sufficient mass and velocity
 - Conversely, once tile is penetrated SOFI can cause **significant** damage
 - Minor variations in total energy (above penetration level) can cause **significant** tile damage
 - Flight condition is **significantly** outside of test database
 - Volume of ramp is 1920 cu in vs 3 cu in for test



Partnerships update

- **Nanosafety**
- **DOE Topical Committee**
- **DHS TRADE**
- **OSHA's health and safety annex to NRP**





Questions?

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